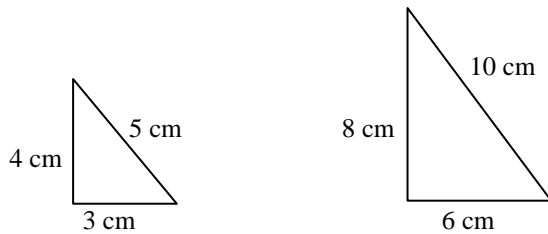


**Problem:**

1. Determine if the two triangles are similar by comparing the sides of the triangles.  
Explain your answer.
2. What does your answer to question 1 tell you about the angles and perimeters of the triangles?



**Answer:**

1. The two triangles are similar.  
The corresponding sides are proportional with a 1 to 2 ratio.
2. Because the triangles are similar, the perimeters of 12 cm and 24 cm are in the same ratio as the sides.  
The corresponding angles of the two triangles are congruent.